Name: Josephine Taylor  
Department: Biology  
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Phone: 468-2268; Please provide a local telephone number when requesting a return call.  
Office: Bush Mathematical Sciences 103AA  
Office Hours: 1:00 – 3:00 TR, 11:00 – 12:00 F, or by appointment  
Class meeting time and place: August 23 - December 10 (with 150 asynchronous instructional minutes)  
Lecture – 12:00 – 12:50 MW, Miller Science 216  
Lab – 2:00 – 4:50 F, Miller Science 216  
Text and Materials:  Introduction to Fungi, 3rd edition, by Webster and Weber  

Course Description:  
Study of the structure, classification, and identification of fungi including those of economic importance. Organisms now widely accepted as protists (slime molds, water molds) but traditionally studied by mycologists are also included.  

Number of Credit Hours: 3  

Course Prerequisites and Corequisites:  Prerequisites BIOL 1306/1106 and BIOL 2361; Corequisite BIOL 3060.  

BIOL 3360 “Mycology” (3 credits lecture, 0 credits lab) spans 15 weeks. The lecture and lab must be completed concurrently. The grades for lecture exams and lab assignments are combined into one single grade for the course. Per week, the class meets twice for lecture (100-min lecture) and once for lab (170-min lab). There is a 2-hr final exam period. Students are required to complete assignments based on readings in the textbook, along with periodic quizzes and exams over the course content, plus a final exam. Students are also required to complete written assignments that analyze data generated during lab meetings. Successful completion of all elements for the course requires at least 6 hours of out-of-class student work each week.  

Program Learning Outcomes:  
Program Learning Outcome #1: The student will demonstrate a good knowledge base in biological concepts and be able to integrate knowledge with critical thinking skills to become problem solvers. Knowledge base will include: levels of complexity (molecular/cellular through population/communities/ecosystems), biological principles and processes.  

Program Learning Outcome #2: The student will be able to clearly communicate scientific information; provide clear structure and transitions; demonstrate scientific tone, language, and form.  

Program Learning Outcome #3: The student will be able to think scientifically; this includes critical thinking / reasoning and explaining biological principles as well as analyzing and interpreting quantitative data sets.  

General Education Core Curriculum Objectives/Outcomes:  
This course is not included in the general education core curriculum.  

Student Learning Outcomes:  
Students who complete Mycology will be able to:
1. Describe the characteristics that delineate the various taxonomic groups (Phyla) of fungi and fungal-like protists (PLO 1, 2).
2. Outline the life cycles of representative species of important fungal groups (PLO 1).
3. Identify key morphological features of fungi, both macroscopic and microscopic (PLO 1).
4. Discuss examples of nutritional relationships found in the fungi (PLO 1, 2).
5. Describe specific examples of the societal impact of fungi, and well as their impact in natural and agricultural ecosystems, industrial processes, and in diseases of plants, animals, and humans (PLO 1, 2).
6. Demonstrate methods of working with fungi, including isolation, culture, and preparation for microscopy (PLO 1).
7. Identify many common fungi from a variety of environments (PLO 1, 3).

Course Requirements:
Three major exams will be given, each worth 100 points. The third test is the final exam, which will be non-comprehensive.

A total of 180 points (110 exercises, 70 quizzes) will be available through laboratory work. Exercises will include lab and field observations, video presentations, experiments and identification practice. A quiz at the beginning of each lab will cover the lab material from the previous week.

A total of 120 points may be earned through participation. Attendance will be recorded at each class meeting and contribute 30 points toward participation. The remaining 90 points will be earned through completion of a fungal imaging project that will be presented during the final lab period.

Course Calendar:

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<tr>
<th>Date</th>
<th>Topic</th>
<th>Text Pages</th>
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<tbody>
<tr>
<td>Mon. 8/23</td>
<td>Course policies, importance of fungi</td>
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<tr>
<td>Wed. 8/25</td>
<td>Characteristics of fungi</td>
<td>1-15</td>
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<td>Fri. 8/27</td>
<td>Lab 1</td>
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<tr>
<td>Mon. 8/30</td>
<td>Characteristics of fungi</td>
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<td>Wed. 9/1</td>
<td>Intro to Basidiomycetes</td>
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<td>Fri. 9/3</td>
<td>Lab 2</td>
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<td>Mon. 9/6</td>
<td>Homobasidiomycetes</td>
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<td>Wed. 9/8</td>
<td>Homobasidiomycetes</td>
<td>526-532, 549-550, 564-565</td>
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<td>Fri. 9/10</td>
<td>Lab 3</td>
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<tr>
<td>Mon. 9/13</td>
<td>Homobasidiomycetes</td>
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<td>Wed. 9/15</td>
<td>Gasteromycetes</td>
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<td>Fri. 9/17</td>
<td>Lab 4</td>
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<td>End of Material for Exam I</td>
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<tr>
<td>Mon. 9/20</td>
<td>Heterobasidiomycetes, Rust fungi</td>
<td>593-608, 609-619</td>
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<td>Wed. 9/22</td>
<td>Rust fungi</td>
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<td><strong>Fri. 9/24</strong></td>
<td><strong>Exam I</strong></td>
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<td>Mon. 9/27</td>
<td>Smut fungi, other Basidiomycetes</td>
<td>636-651, 655-664</td>
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<td>Wed. 9/29</td>
<td>Intro to Ascomycetes</td>
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<td>Fri. 10/1</td>
<td>Lab 5</td>
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<td>Mon. 10/4</td>
<td>Intro to Ascomycetes</td>
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<td>Wed. 10/6</td>
<td>Archiascomycetes, Hemiascomycetes</td>
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<td>Fri. 10/8</td>
<td>Lab 6</td>
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<td>Mon. 10/11</td>
<td>Plectomycetes</td>
<td>285-314</td>
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<tr>
<td>Wed. 10/13</td>
<td>Pyrenomycetes</td>
<td>315-319, 326-373, 375-376, 387-388</td>
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Fri. 10/15 Lab 7
Mon. 10/18 Erysiphales 390-403, 408-410
Wed. 10/20 Discomycetes 414-415, 423-429, 432-439, 673-678
Fri. 10/22 Lab 8

End of Material for Exam II

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Mon. 10/25 Lichenized fungi 446-458
Wed. 10/27 Loculoascomycetes 459-462, 469-472, 478-479, 482-484

**Fri. 10/29 Exam II**

Mon. 11/1 Phylum Zygomyctota 165-189
Wed. 11/3 Phylum Zygomyctota 202-203, 211-225
Fri. 11/5 Lab 9
Mon. 11/8 Phylum Oomycota 65-70, 75-90
Wed. 11/10 Phylum Oomycota 95-124
Fri. 11/12 Lab 10
Mon. 11/15 Phylum Chytridiomycota 127-133
Wed. 11/17 Phylum Chytridiomycota 150-159
Fri. 11/19 Lab 11
Mon. 11/29 Slime molds 40-41, 54-63
Wed. 12/1 Slime molds 42-53
Fri. 12/3 Fungal imaging project reports

**Mon. 12/6 Exam III 1:00 pm – 3:00 pm**

**Grading Policy:**
Course grades will be assigned as follows (600 possible points):

90+% of total points = A, 80 - 89% = B, 70 - 79% = C, 60 - 69% = D, Below 60% = F

There are no extra credit assignments in this course.

**Attendance Policy:**
Students must attend class to earn attendance points for participation. Students must attend lab to earn exercise and quiz points.

Only students with an excused absence will be allowed to make up missed exams or laboratory sessions. Makeup exams will be of a different format than the original test, consisting primarily of completion and short answer questions. Excused absences will be granted for: students participating in university sponsored events, serious illness, or a family emergency. A list of students to be absent from campus to attend various events is published and distributed to the faculty. Otherwise, you will need to bring written confirmation of illness or emergency from a doctor or family member to be granted an excused absence. University policy states that students with acceptable excuses will be permitted to make up work for absences equaling no more than 15% of the scheduled course meeting time for the term (SFASU Policy 6.7 Class Attendance). Students with unexcused absences will receive a 0 for missed exams and assignments.

**Academic Integrity – Student Academic Dishonesty Policy (4.1)**
Abiding by university policy on academic integrity is a responsibility of all university faculty and students. Faculty members must promote the components of academic integrity in their instruction, and course syllabi are required to provide information about penalties for cheating and plagiarism, as well as the appeal process.
Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes, but is not limited to: (1) using or attempting to use unauthorized materials on any class assignment or exam; (2) falsifying or inventing of any information, including citations, on an assignment; (3) helping or attempting to help other student(s) in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were one’s own. Examples of plagiarism include, but are not limited to: (1) submitting an assignment as one's own work when it is at least partly the work of another person; (2) submitting a work that has been purchased or otherwise obtained from the Internet or another source; (3) incorporating the words or ideas of an author into one's paper or presentation without giving the author credit.
Please read the complete policy at https://www.sfasu.edu/policies/student-academic-dishonesty-4.1.pdf

Withheld Grades - Course Grades Policy (5.5)
At the discretion of the instructor of record and with the approval of the academic unit head, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work by the deadline set by the instructor of record, not to exceed one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F, except as allowed through policy (i.e., Military Service Activation (6.14)). If students register for the same course in future semesters, the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.
For additional information, go to http://www.sfasu.edu/policies/course-grades-5.5.pdf

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations.
For additional information, go to http://www.sfasu.edu/disabilityservices/.

Student Mental Health
SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
SFASU Counseling Services
www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741